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INT-03-014

July 14, 2004

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572  
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Subject: | Serial No. 10/827,061 04/19/04 |

Thomas Aisenbrey

LOW COST RESONATOR USING CONDUCTIVE  
PLASTICS OR CONDUCTIVE COMPOSITES

#### INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation  
In An Application.

The following Patents and/or Publications are submitted to  
comply with the duty of disclosure under CFR 1.97-1.99 and  
37 CFR 1.56.

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being  
deposited with the United States Postal Service as first class  
mail in an envelope addressed to: Commissioner for Patents,  
P.O. Box 450, Alexandria, VA 22313-1450, on July 15, 2004.

George O. Saile, Reg. No. 19572

Signature/Date

George O. Saile 7/15/04

U.S. Patent 6,111,343 to Unami et al., "Piezoelectric Resonator and Electronic Component Including Same," teaches a piezoelectric resonator device including conductive resin film to reduce contact capacitance.

U.S. Patent 4,267,480 to Kanematsu et al., "Conductive Elastomeric Pad for Piezoelectric Device," teaches a piezoelectric resonator device.

U.S. Patent 4,786,837 to Kalnin et al., "Composite Conformable Sheet Electrodes," teaches a composite ceramic/polymer sheet electrode transducer.

U.S. Patent 6,664,863 to Okamoto et al., "LC Oscillator," teaches a LC oscillator integrated onto an IC.

U.S. Patent 6,268,778 to Mucke et al., "Method and Apparatus for Fully Integrating a Voltage Controlled Oscillator on an Integrated Circuit," teaches a voltage controlled oscillator using a LC resonator with tunable frequency based on a variable capacitor network.

Cleland et al., in the article, "Fabrication of high frequency nanometer scale mechanical resonators from bulk Si crystals," Applied Physics Letter 69(18), 28 October 1996, pp. 2653-2655, teaches a crystal resonator on bulk Si.

INT-03-014

UK Patent Application GB 2 377 449 A to Sayers,  
"Electrically Conductive Polymer Composition," discusses  
electrically conductive compositions and their use to prevent  
electrostatic discharge and to earth electrical devices.

Sincerely,

  
George O. Saile,  
Reg. No. 19572

Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)				Document Number (Specified) <b>INT-03-014</b>	Application Number <b>10/827,061</b>	
				Applicant <b>Thomas Aisenbrey</b>		
				Filing Date <b>04/19/04</b>	Group Art Unit <b>—</b>	
U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PLACING DATE IF APPROPRIATE
2004 <i>MARY REED</i>	611113438/29/00	Unami et al.	310	366	8/20/98	
	42674805/12/81	Kanematsu et al.	310	366	5/23/79	
	478683711/22/88	Kalnin et al.	310	364	5/5/87	
	666486312/16/03	Okamoto et al.	331	117R	7/24/00	
	62687787/31/01	Mucke et al.	331	117R	5/3/99	
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES      NO
GB 2 377449A	1/15/03	United Kingdom	c08K 3/08			
OTHER DOCUMENTS (Including Author, Title, Date, Page or Pages, Etc.)						
-	Cleland et al., "Fabrication of high frequency nanometer scale mechanical resonators from bulk Si crystals", Applied Physics Letter 69(18), 28 Oct. 1996, pp. 2653-2655.					
EXAMINER	DATE CONSIDERED					
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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